

Converting Colors

XYZ(16.9268, 13.2106, 35.2144)

Have a look what the booklet for
XYZ(16.9268, 13.2106, 35.2144)
contains.

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Color

**XYZ(16.9930, 13.1975,
35.3700)**

Conversions

Conversions Part 1

Format	Color
Hex	7358A1
RGB	115, 88, 161
RGB Percent	45%, 35%, 63%
CMY	0.5490, 0.6549, 0.3686
CMYK	0.29, 0.45, 0.00, 0.37
HSL	262°, 29%, 49%
HSV	262°, 45%, 63%
XYZ	16.9930, 13.1975, 35.3700
YIQ	104.3950, -7.3410, 28.4270

Conversions

Conversions Part 2

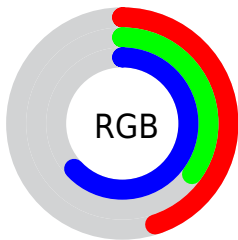
Format	Color
R_{YB}	115, 88, 161
Decimal	7559329
CIE _{Lab}	43.06, 27.11, -35.66
CIE _{LCh}	43, 44.793, 307.243
Yxy	13.1975, 0.2592, 0.2013
Android (android.graphics.Color)	4285749409 (0xFF7358A1)
YUV	104.3950, 27.9063, 9.3006
Hunter-Lab	36.3284, 19.9207, -32.2960

Details

The XYZ color **16.9930, 13.1975, 35.3700** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **24.3381, 31.2629, 13.9846**, and the grayscale version is **13.1933, 13.8803, 15.1157**.

A 20% lighter version of the original color is **37.8453, 31.5698, 69.0647**, and **5.7026, 3.8500, 14.9106** is the 20% darker color. If you saturate the color by 10%, you get **14.5530, 10.1899, 34.9183**, and if you desaturate by 10%, it is **19.8727, 16.8655, 35.9265**.

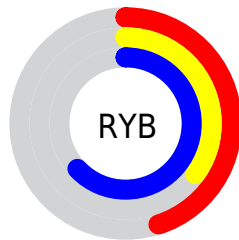
Distribution



Red (45%)

Green (35%)

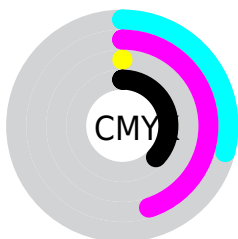
Blue (63%)



Red (45%)

Yellow (35%)

Blue (63%)

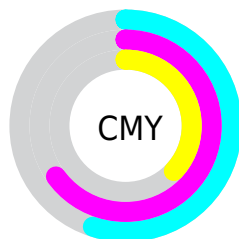


Cyan (29%)

Magenta (45%)

Yellow (0%)

Black (37%)



Cyan (55%)

Magenta (65%)

Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9930, 13.1975, 35.3700 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 16.9930, 13.1975, 35.3700 by changing the saturation by 10% instead.

■ 16.9930, 13.1975,
35.3700

■ 16.9930, 13.1975,
35.3700

228.2891,
212.1796, 341.1522

■ 10.3248, 7.5647,
23.6622

■ 37.8574, 31.6581,
69.2166

■ 5.6787, 3.8177,
14.8734

■ 52.7844, 45.2548,
92.1925

■ 2.6895, 1.5721,
8.5849

■ 71.1949, 62.2748,
119.7615

■ 0.9918, 0.3387,
4.3783

■ 93.4544, 83.1026,
152.3422

■ 0.0000, 0.0000,
1.8351

■ 119.9282,
108.1226, 190.3531

■ 0.0000, 0.0000,
0.4510

150.9817,

■ 0.0000, 0.0000,

137.7191, 234.2127

0.0000

186.9802,
172.2767, 284.3395

■ 16.9930, 13.1975,
35.3700

■ 16.9930, 13.1975,
35.3700

■ 14.5530, 10.1899,
34.9183

■ 19.8727, 16.8655,
35.9265

■ 12.5271, 7.7999,
34.5638

■ 23.2127, 21.2300,
36.5929

■ 10.8890, 5.9819,
34.2992

■ 27.0342, 26.3264,
37.3751

■ 9.6082, 4.6829,
34.1160

■ 31.3564, 32.1869,
38.2785

■ 8.6469, 3.8354,
34.0031

■ 36.1975, 38.8419,
39.3079

■ 8.2695, 3.5199,
33.9621

■ 41.5747, 46.3203,
40.4680

■ 47.5045, 54.6493,
41.7631

■ 54.0024, 63.8548,
43.1975

■ 61.0836, 73.9619,
44.7751

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



13.3973, 13.1975, 42.5855



16.9930, 13.1975, 35.3700



19.6942, 13.1975, 23.0245

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



16.9930, 13.1975, 35.3700



15.2835, 13.1975, 3.0171



7.0550, 13.1975, 16.8957

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



16.9930, 13.1975, 35.3700



24.3381, 31.2629, 13.9846

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



7.3750, 13.1975, 8.2117



16.9930, 13.1975, 35.3700



11.7274, 13.1975, 2.5728

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



16.9930, 13.1975, 35.3700



18.5879, 13.1975, 5.6774



8.9481, 13.1975, 3.9429



7.9765, 13.1975, 29.1729

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



16.9930, 13.1975, 35.3700



20.3882, 13.1975, 15.3015



8.9481, 13.1975, 3.9429



7.0243, 13.1975, 13.4768

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



16.9935, 13.1980, 35.3703



49.2060, 48.2122, 67.0990



19.0153, 21.7631, 36.9170



10.4666, 10.1364, 14.6485



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



16.9935, 13.1980, 35.3703



26.1938, 18.4071, 62.5589



22.7352, 16.1579, 35.6390



6.9364, 6.9816, 8.8851



6.6464, 2.8328, 27.1263



0.1906, 0.0858, 0.5724

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



22.4911, 16.2782, 24.5110



37.5288, 24.7721, 39.5258



19.5150, 28.7765, 13.7588



7.2527, 7.1575, 8.3169



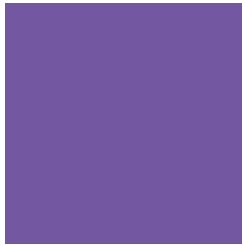
13.6527, 6.8171, 10.6275



0.3085, 0.1519, 0.3372

Previews

White Background



This preview shows how the XYZ color 16.9930, 13.1975, 35.3700 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 16.9930, 13.1975, 35.3700 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 16.9930, 13.1975, 35.3700

Background



This preview shows how black text looks on a background with the XYZ color 16.9930, 13.1975, 35.3700.



This preview shows how white text looks on a background with the XYZ color 16.9930, 13.1975,

35.3700.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

16.9930, 13.1975, 35.3700

Protanopia

14.4850, 13.2417, 40.3205

Deuteranopia

13.6706, 13.3878, 34.2113



Tritanopia

13.0896, 13.2003, 16.0454

Trichromacy



Original Color

16.9930, 13.1975, 35.3700

Protanomaly

15.0918, 13.0491, 38.2825

Deuteranomaly

14.5572, 13.1273, 34.5675

Tritanomaly

14.3203, 13.1493, 21.8620

Monochromacy



Original Color

16.9930, 13.1975, 35.3700

Achromatopsia

13.1579, 13.8432, 15.0752

Achromatomaly

14.2537, 13.4042, 21.2381

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9930, 13.1975, 35.3700 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(115, 88, 161)` looks like.

```
.text, #text, p{  
    color:rgb(115, 88, 161)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(115, 88, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(115, 88, 161) }
```

Border

The CSS property to change the border of an element to XYZ 16.9930, 13.1975, 35.3700 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(115, 88, 161) }
```


If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(115, 88, 161) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(115, 88, 161) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(115, 88, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(115, 88, 161);  
box-shadow:4px 4px 4px 4px rgb(115, 88,  
161) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9930, 13.1975, 35.3700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(115, 88, 161) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(115, 88,  
161) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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